

Figure 1

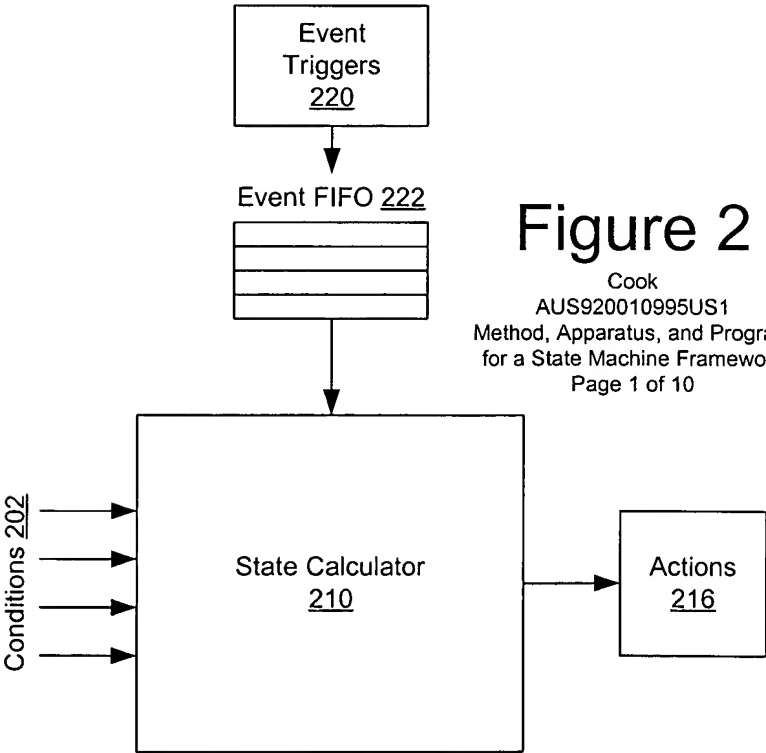
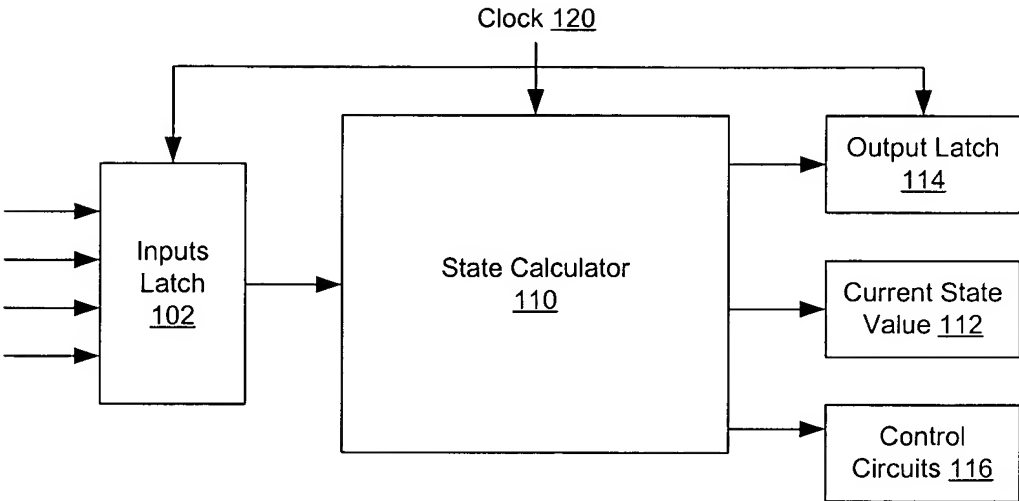


Figure 2

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Figure 3

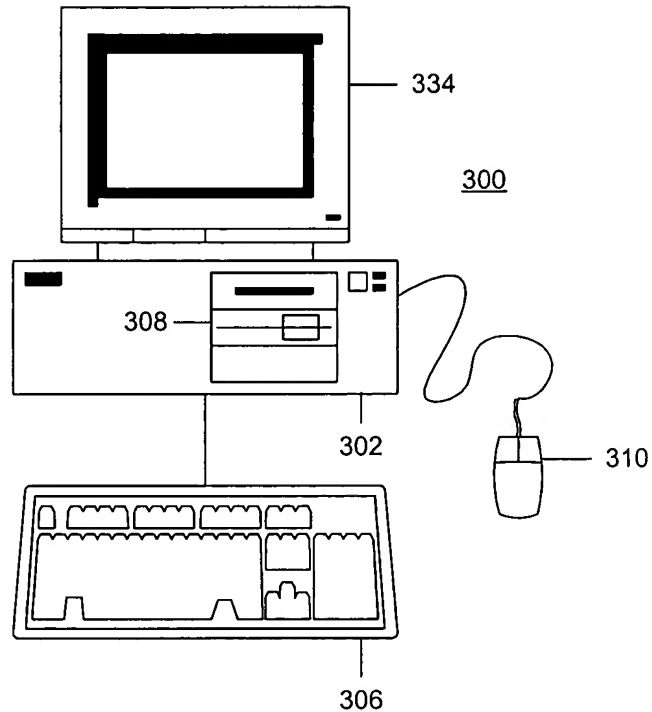
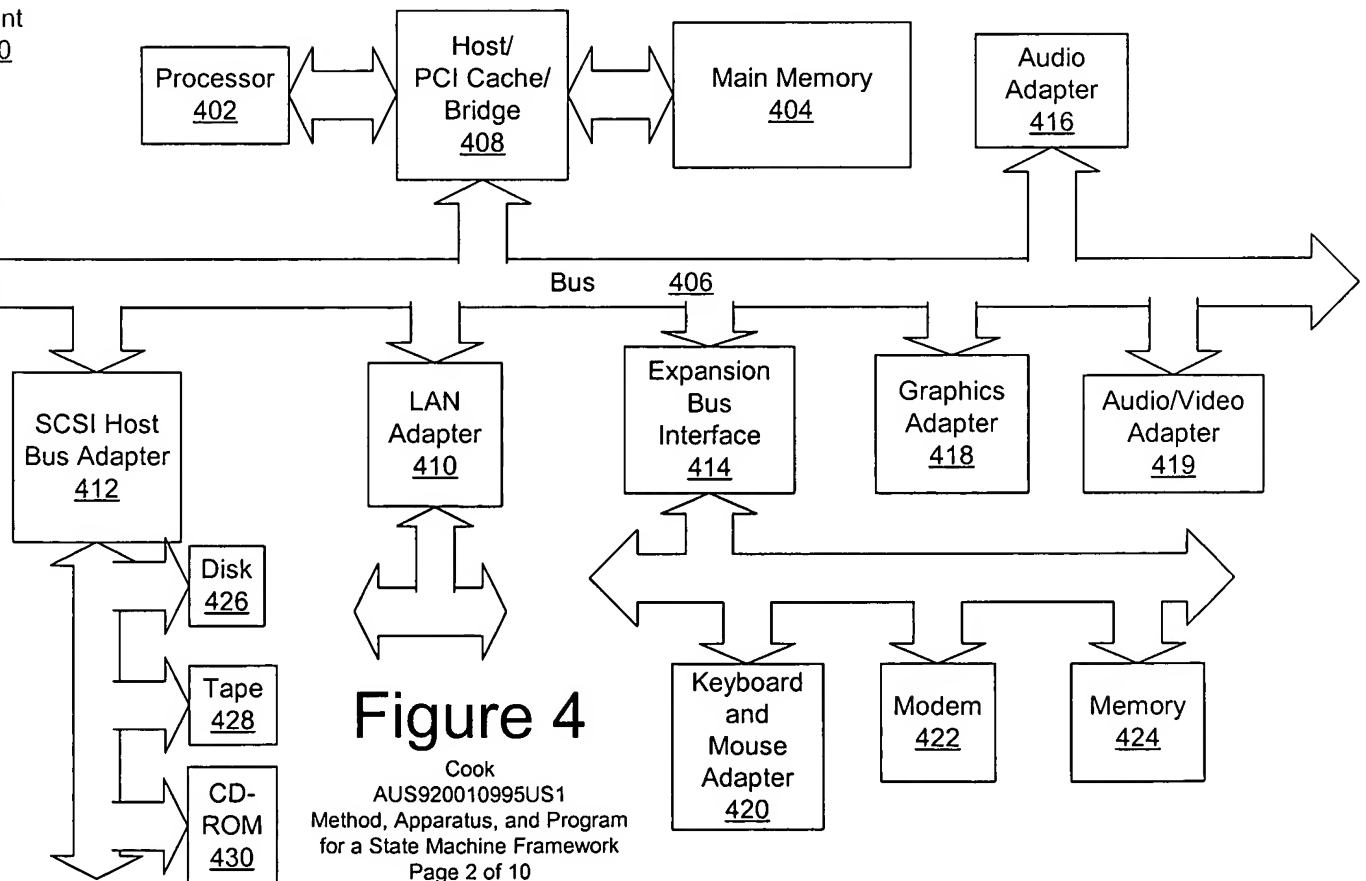
Client
400

Figure 4

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Express Mail No. EL750734US

STATES 510

| ID | Description |
|----|-------------|
| S1 | New |
| S2 | Starting |
| S3 | Running |
| S4 | Paused |
| S5 | Stopping |
| S6 | Stopped |
| S7 | Error |

ACTIONS 520

| ID | Description |
|----|------------------------|
| A1 | Start Embedded Task |
| A2 | Stop Embedded Task |
| A3 | Pause Trace Subsystem |
| A4 | Resume Trace Subsystem |

INPUTS 530

| ID | Description |
|-----|---|
| TSV | Embedded Task State Variable {"new", "starting", "running", "stopping", "stopped", "error"} |
| CSV | Embedded Command State Variable {"no-op", "start", "stop", "pause", "resume"} |

CONDITIONS 560

| ID | CSV Value | TSV Value |
|-----|-----------|---------------------|
| C1 | no-op | new |
| C2 | start | new or starting |
| C3 | start | running |
| C4 | stop | new |
| C5 | -- | error |
| C6 | stop | starting or running |
| C7 | -- | stopped |
| C8 | resume | running |
| C9 | stop | running |
| C10 | pause | running |
| C11 | -- | stopping |

EVENTS 540

| ID | Description |
|----|---------------------|
| E1 | State Changed Event |

TRIGGERS 570

| ID | Description |
|----|---------------------|
| T1 | State Changed Event |
| T2 | New Command Written |

Figure 5A

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STATE TABLE 550

| Current State/ Next State | S1 | S2 | S3 | S4 | S5 | S6 | S7 |
|------------------------------|----------------|----------------|-------------------------|-----------------|--------------------|----------------|----------------|
| S1 | C1 -- -- | C2 A1 E1 | C3 -- E1 | X | X | C4 -- E1 | C5 -- E1 |
| S2 | X | C2 -- -- | C3 A4 E1 | X | C6 A2, A3 E1 | C7 -- E1 | C5 -- E1 |
| S3 | X | X | C3 C8 -- -- -- -- | C10 A3 E1 | C9 A2, A3 E1 | C7 A3 E1 | C5 A3 E1 |
| S4 | X | X | C8 A4 E1 | C10 -- -- | C9 A2, A3 E1 | C7 A3 E1 | C5 A3 E1 |
| S5 | X | X | X | X | C11 -- -- | C7 -- E1 | C5 -- E1 |
| S6 | X | X | X | X | X | C7 -- -- | X |
| S7 | X | X | X | X | X | X | C5 -- -- |

Figure 5B

Express Mail No. EL750 4737US

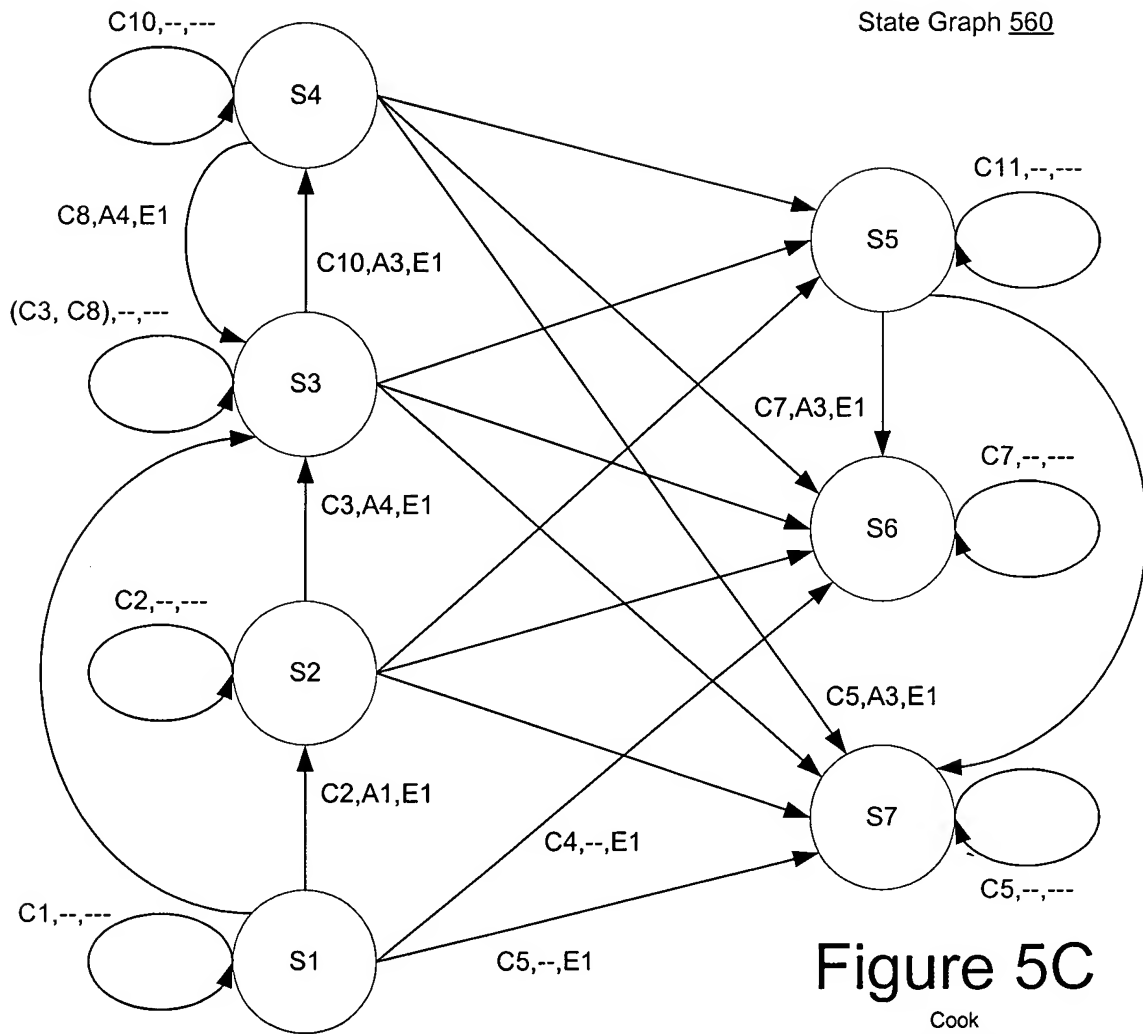


Figure 5C

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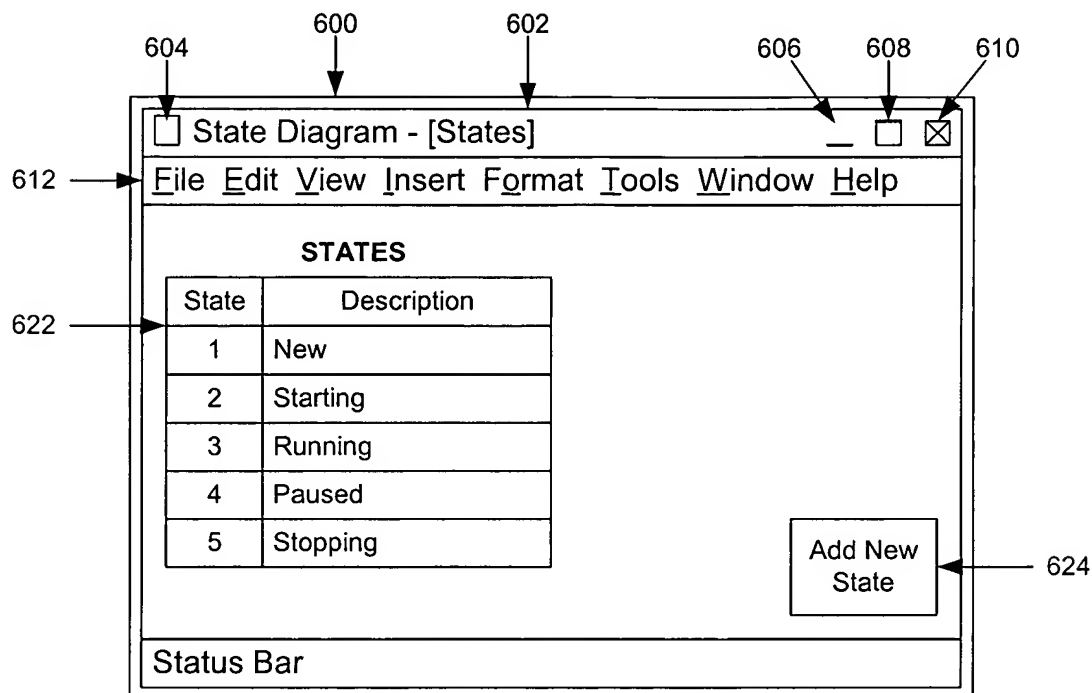


Figure 6A

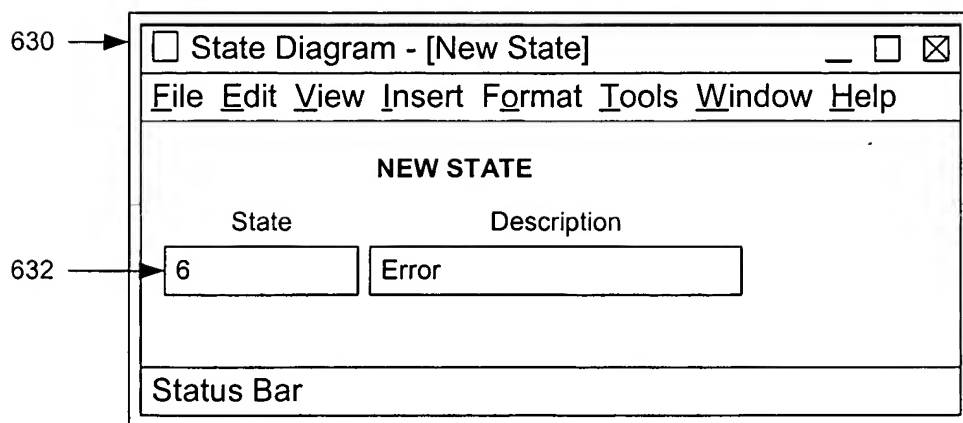


Figure 6B

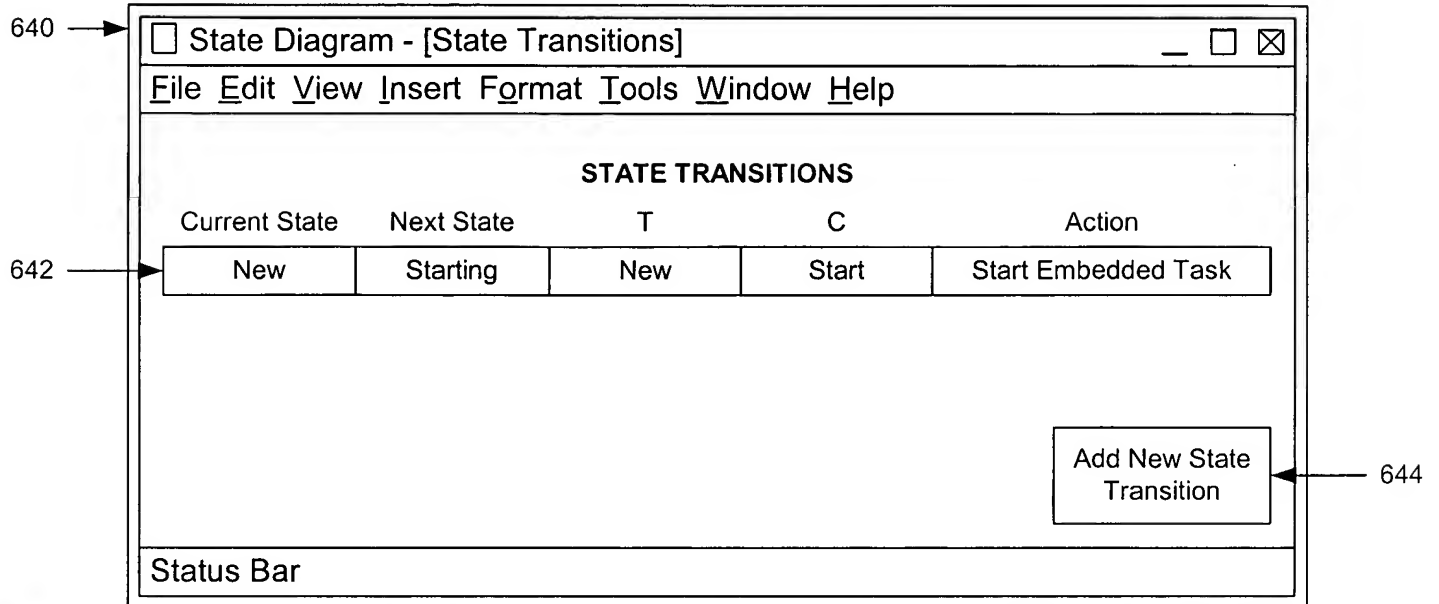


Figure 6C

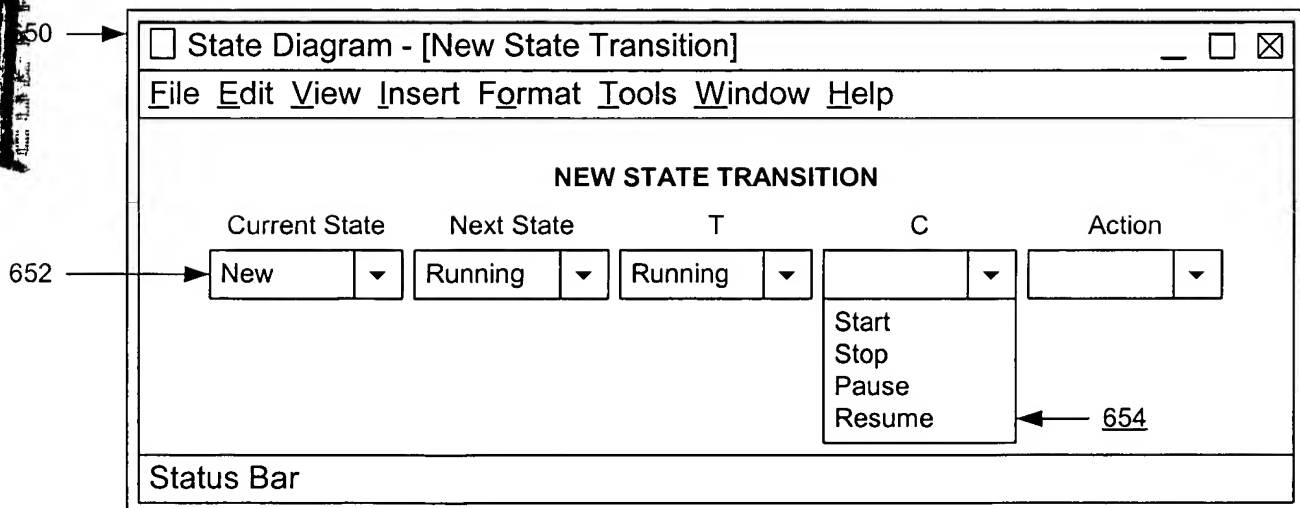


Figure 6D

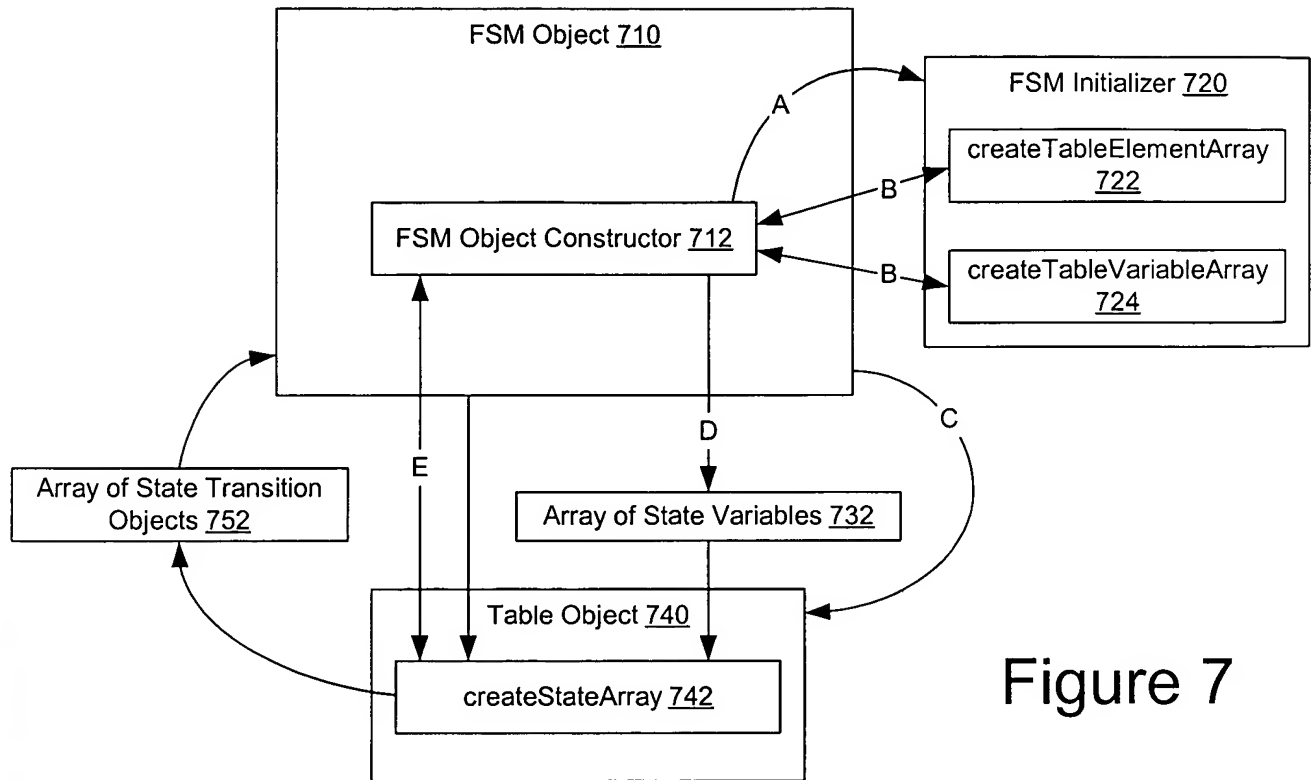
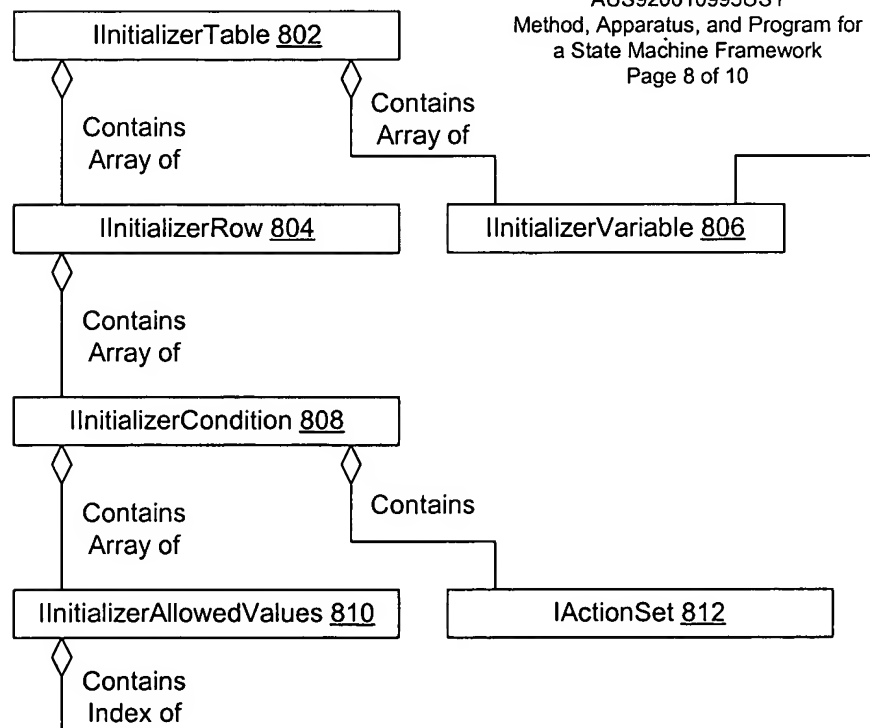


Figure 7

Figure 8A

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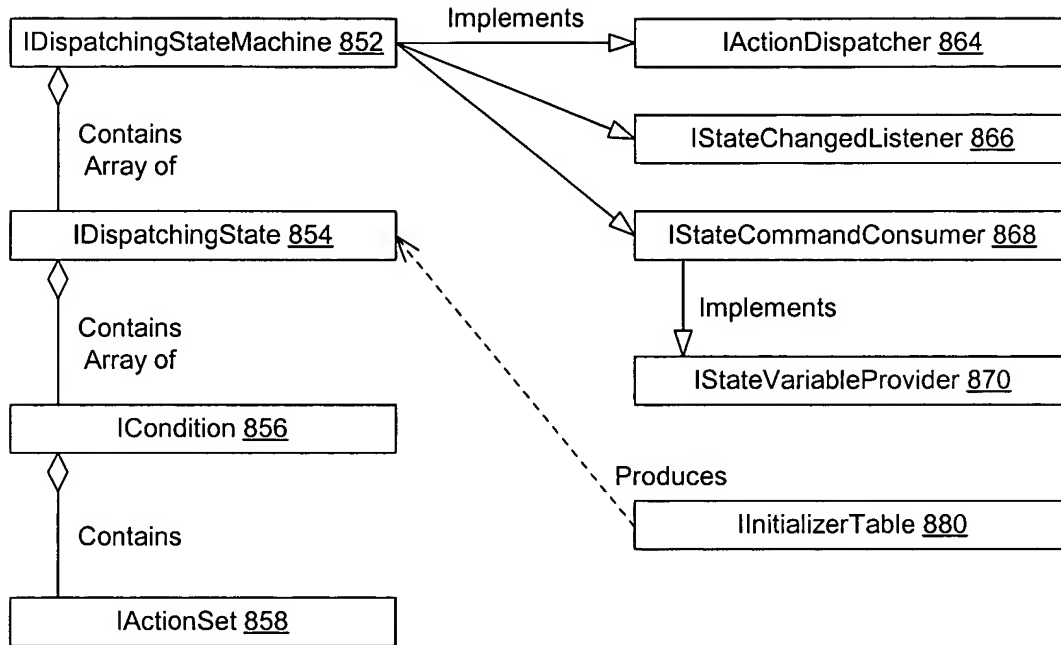


Figure 8B

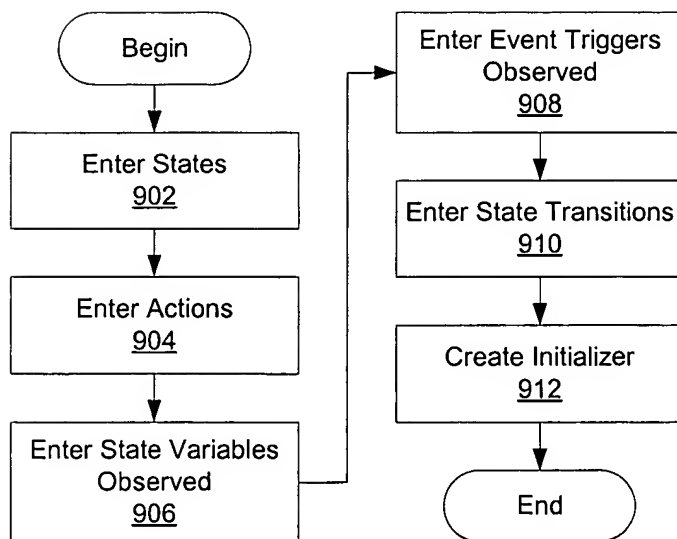


Figure 9

Figure 10

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